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Chien-Chung Cheng et al.FILING DATE  
April 30, 1999

GROUP

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
	AB						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AM	AC	Chang et al., "Metal Ion Dependent Binding and Nuclease Activity of Hexaazacyclophane", Journal of the Chinese Chemical Society 43:73-75, 1996.
	AD	Kappen et al., "Bulge-Specific Cleavage in Transactivation Response Region RNA and Its DNA Analogue by Neocarzinostatin Chromophore", Biochemistry 34:5997-6002, 1995.
	AE	Kappen et al., "Characterization of a Covalent Monooadduct of Neocarzinostatin Chromophore at a DNA Bulge", Biochemistry 36:14861-14867, 1997.
	AF	Kappen et al., "DNA Conformation-Induced Activation of an Enediyne for Site-Specific Cleavage", Science 261:1319-1321, 1993.
	AG	Kappen et al., "Site-Specific Cleavage at a DNA Bulge by Neocarzinostatin Chromophore Via a Novel Mechanism", Biochemistry 32:13138-13145, 1993.
	AH	Kunkel, "Misalignment-mediated DNA Synthesis Errors", Biochemistry 29:8003-8011, 1990.
	AI	Lilley, "Kinking of DNA and RNA by Base Bulges", Proc. Natl. Acad. Sci. USA 92:7140-7142, 1995.
	AJ	Malkov et al., "Photocross-linking of the NH <sub>2</sub> -terminal Region of Taq MutS Protein to the Major Groove of a Heteroduplex DNA", Journal of Biological Chemistry 272:23811-23817, 1997.
	AK	Rice et al., "DNA Bending by the Bulge Defect", Biochemistry 28:4512-4516, 1989.
	AL	Rommens et al., "Rapid Nonradioactive Detection of the Major Cystic Fibrosis Mutation", Am. J. Hum. Genet. 46:396-397, 1990.
↓	AM	Stassinopoulos et al., "Probing the Structure of Long Single-Stranded DNA Fragments with Neocarzinostatin Chromophore. Extension....", Biochemistry 34:15359-15374, 1995.

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Adele Mansfield

DATE CONSIDERED

3/17/04

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
	BB						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AM	BC	Stassinoopoulos et al., "Solution Structure of a Two-Base DNA Bulge Complexed with an Enediyne Cleaving Analog", Science 272:1943-1946, 1996
	BD	Streisinger et al., "Frameshift Mutations and the Genetic Code", Cold Spring Harb Symp Quant Biol. 31:77-84 1966.
	BE	Triggs-Raine et al., "Diagnostic Heteroduplexes: Simple Detection of Carriers of a 4-bp Insertion Mutation in Tay-Sachs Disease", Am. J. Hum. Genet. 46:183-184, 1990.
	BF	Turner, "Bulges in Nucleic Acids", Current Opinion in Structural Biology 2:334-337, 1992.
	BG	Wang et al., "Effects of Bulge Composition and Flanking Sequence on the Kinking of DNA by Bulged Bases", Biochemistry 30:1358-1363, 1991.
	BH	Wang et al., "RecA Binding to Bulge- and Mismatch-containing DNAs", The Journal of Biological Chemistry 268:17571-17577, 1993.
	BI	Williams et al., "Selective Strand Scission by Intercalating Drugs at DNA Bulges", Biochemistry 27:3004-3011 1988.
↓	BJ	Yang et al., "Specific Binding of the Biradical Analog of Neocarzinostatin Chromophore to Bulged DNA: Implications for Thiol-Independent Cleavage", Biochemistry 34:2267-2275, 1995.
	BK	
	BL	
	BM	

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